

RESUME

Noel R. Vadell
Forensic Chemist
U.S. Department of Justice
Drug Enforcement Administration
Northeast Laboratory, New York

EDUCATION

B.S. in Chemistry
Temple University
Philadelphia, PA- 1994

TRAINING

Completed a 9 month training in drug analysis and drug identification,
Drug Enforcement Administration, Northeast Laboratory
1 week course HP GC/MSD Chemstation and Instrument Operation,
Atlanta, GA
1 week course Clandestine Laboratory Investigation/Safety Certification
Program, DEA Academy, Quantico, VA
4 week Basic Forensic Chemist School, DEA Academy, Quantico, VA

TECHNICAL EXPERIENCE

Undergraduate Research Assistant - Chemistry Dept., Temple University 1992-93
Chemistry Laboratory Instructor - Chemistry Dept., Temple University
Summer 1994.
Assistant Chemist - Research & Development, Dupont 1994-1996.
Quality Control Chemist - Quality Assurance, Actimed Medical Laboratory
1996-97.
Analytical/Inorganic Chemist - Analytical Research & Development, Sun
Oil Refining & Marketing: Sep 1997 - Mar 1998
Forensic Chemist - Drug Enforcement Administration, Northeast Laboratory:
March 1998 - Present
Clandestine Laboratory Instructor - Drug Enforcement Administration
DEA Academy, Quantico, VA

COURT EXPERIENCE

Qualified as an expert witness in United States District Court, Eastern
and Southern Districts of New York, Southern District of New Jersey

3509-A

U.S. DEPARTMENT OF JUSTICE - DRUG ENFORCEMENT ADMINISTRATION

FORENSIC CHEMIST WORKSHEET

RECEIVED

3. SEALS

4. FILE NO./EXHIBIT NO./LAB NO.

1. FROM
D. Michael2. DATE
10/22/02☒ Intact ☐ Broken ☐ None

C1-02

5. DESCRIPTION OF EVIDENCE

Received a plastic HSEE (1B-165401) containing a pb which further contained tan powder.

6. SUMMARY OF FINDINGS

Exhibit # 2 contains heroin hydrochloride

Gwt = 24.5g
Nwt = 0.44g

7. EXH. NO.	8. LAB. NO.	9. ACTIVE DRUG INGREDIENT	10. QUANTITATIVE RESULTS	11. AMT. OF PURE DRUG	12. RESERVE
2	152975	heroin hydrochloride	77%	0.33g	0.32g

13. RESERVE EVIDENCE

Resealed original packaging and whisk-pke w/ xpl. Returned lot 1 to the main vault.

14. FORENSIC CHEMIST'S SIGNATURE

Noel Daddell

15. DATE REPORTED

10/22/02

16. REVIEWED BY (Initials) & DATE

AT 10/24

17. REMARKS

9200.005

3509-B

FILE NO. C1-02 EXHIBIT NO. 1 LAB NO. 152 974

GROSS WEIGHT:

8134g

DATE OPENED:

9/23/02

NET WEIGHT:

am material + (3) subst bags
(-rw) (3) subst bags

4423.68g
- 59.00g
4364.68g

Comp: Split whirl -pk 27.11g
(rw) whirl -pk -1.87g
25.24g

EVIDENCE SAMPLING PROCEDURES:

assemble suitcase and removed black foam lining. Screened, ground & sieved $\frac{1}{2}$ and analyzed via instrumentation.

QUALITATIVE:

for test:

liquis \rightarrow violet

wholes \rightarrow purple to green

GC-MSD: General Method
spl + chloroform/methanol \rightarrow control
lidocaine, heroin and other alkaloids
artifacts

TIR: chloroform extraction

pl + chlo Solubles KBr pellet \rightarrow consistent w/ heroin Hce salt form

QUANTITATION:

GC-FID

METHOD #:

HER30M

STANDARD:

heroin Hce std #60C: 564.4mg (97.35%) / 200mL

DATE PREPARED:

9/1/02

SAMPLE:

211.2mg (tared) / 50mL

Results: Average of (2) runs

$\frac{25.85\% + 26.09\%}{2} = 25.97\%$ heroin Hce

64.6g (25%) = 1091.15g

RESERVE WEIGHT:

+ whirl - pak 26.57g
- 1.87g

+ 24.70g
4339.44g

GROSS WEIGHT AFTER ANALYSIS:

4339.44g - 1.0g = 4363.14g

177Kg + 4.622Kg = 9.099g
SEE)

SPECIAL PROGRAMS:

NTAEN 1.0g removed for HSP

DATE SEALED:

9/24/02

Rel Ret time
to heroin

compound
lidocaine #591
152 974
(Ave of (2) runs)

0.32

0.32

U.S. DEPARTMENT OF JUSTICE - DRUG ENFORCEMENT ADMINISTRATION

FORENSIC CHEMIST WORKSHEET

Page 1 of 1

RECEIVED

3. SEALS

4. FILE NO./EXHIBIT NO./LAB NO.

1. FROM *Pawn Michael* 2. DATE *9/23/02*☒ Intact ☐ Broken ☐ None*[REDACTED]* | *11* | *152974*

5. DESCRIPTION OF EVIDENCE

Received, a tan plastic wrapped w/ ~~de~~ fiber tape package containing a dark blue canvas suitcase labeled "Dingxin". Tan powder material concealed within foam (black) lining of suitcase.

6. SUMMARY OF FINDINGS

Exhibit # 1 contains heroin hydrochloride and lidocaine (salt undetermined)

Gwt = 8.134 kg

Nwt = 4.364 kg

1.0 g removed for special program

7. EXH. NO.	8. LAB. NO.	9. ACTIVE DRUG INGREDIENT	10. QUANTITATIVE RESULTS	11. AMT. OF PURE DRUG	12. RESERVE
1	152974	heroin hydrochloride	25%	1.091 kg	4.363 kg

13. RESERVE EVIDENCE

Sealed (disassemble) suitcase in a box. Sealed (3) sub bags w/ foam lining and whirl-pak w/ spl. Returned 2 of 2 to the main vault.

4. FORENSIC CHEMIST'S SIGNATURE

Noel Tadele

15. DATE REPORTED

9/24/02

16. REVIEWED BY (Initials) & DATE

[Signature] *9/26*

7. REMARKS

9200.005
8228.900
9455.000

3509-D

mm
92702

FILE NO.

01-02-

EXHIBIT NO.

2

LAB NO.

152975

(N)

GROSS WEIGHT:

24.52g

DATE OPENED:

10/22/02

NET WEIGHT:

Spl + original pb 0.66g
 (TW) original pb - 0.22g
 0.44g

EVIDENCE SAMPLING PROCEDURES:

Screened and analyzed entire exhibit.

QUALITATIVE:

color test

Froehde's → purple

Furfural → No rxn

Microscope test:

30% HOAc → no insolubles observed

30% HOAc + 50% HgCl₂ → observed clusters of needle-like crystals

ETIR: chloroform extraction to sample direct

KBr pellet → contains Heroin HCl

QUANTITATION:

GC-FID

METHOD #:

HER30M

STANDARD:

heroin HCl std # 62C: 457.0mg (97.35%) / 250 mL

DATE PREPARED:

10/16/02

SAMPLE:

112.2mg (tared) / 50mL

Results: Average of (2) runs

$\frac{77.48\% + 77.49\%}{2} = 77.48\%$ heroin HCl

$0.44g (77\%) = \boxed{0.33g}$

RESERVE WEIGHT:

Spl + whirl - pk 2.15g
 (TW) whirl pk - 1.83g
 0.32g

SPECIAL PROGRAMS:

Insufficient amount for HSP

GROSS WEIGHT AFTER ANALYSIS:

26.44g

DATE SEALED:

10/23/02

3509-E